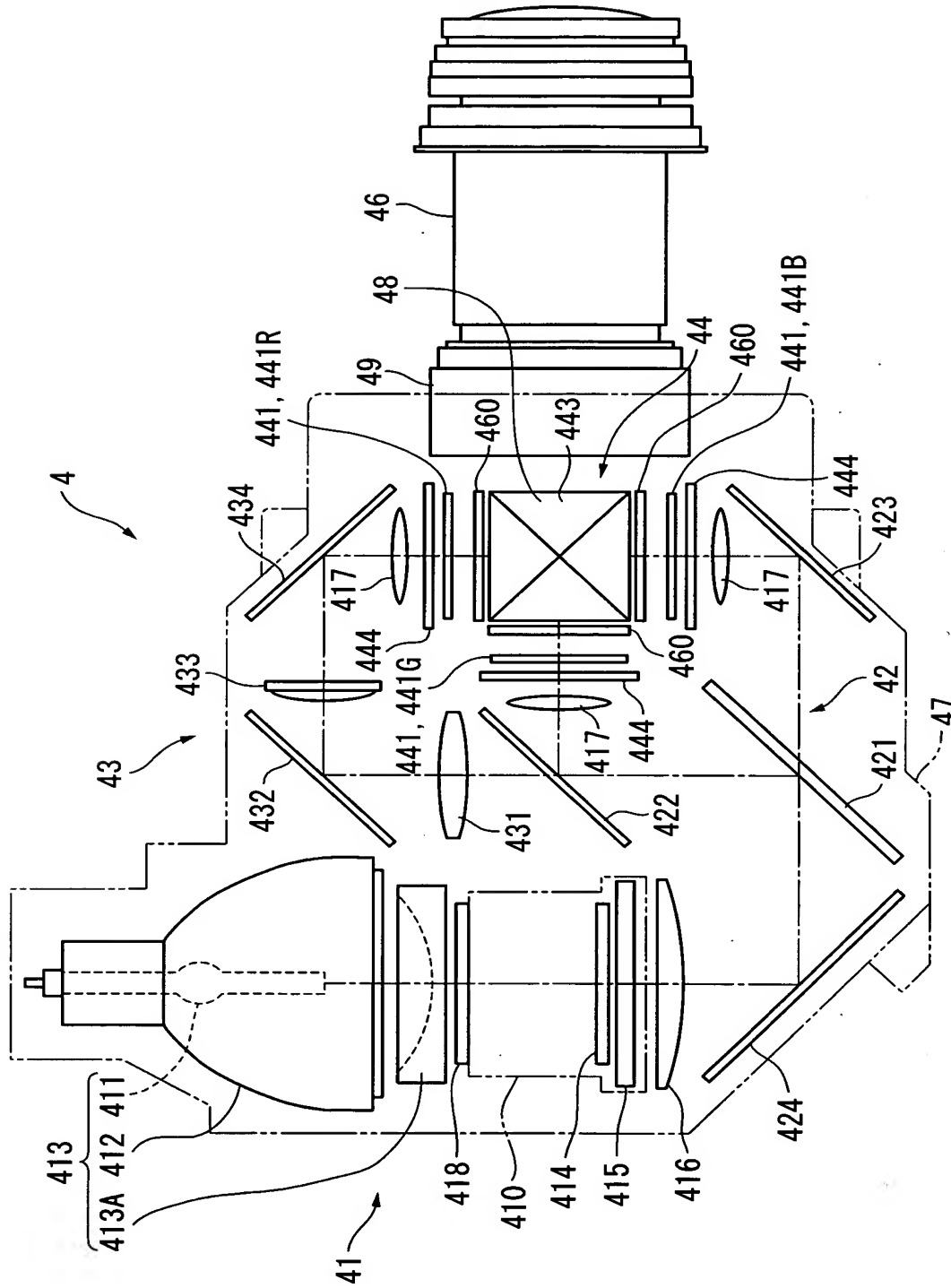


FIG. 1 is a schematic cross-sectional view of a camera module assembly 1. The assembly includes a lens barrel 2 with a lens 2A and a filter 2B. A sensor unit 3 is mounted on a substrate 4. The sensor unit 3 includes a sensor chip 5 with a sensor area 51 and a peripheral area 52. A control unit 413 is also shown. Arrows indicate the optical path and the flow of data or power.

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FIG. 2



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FIG. 3

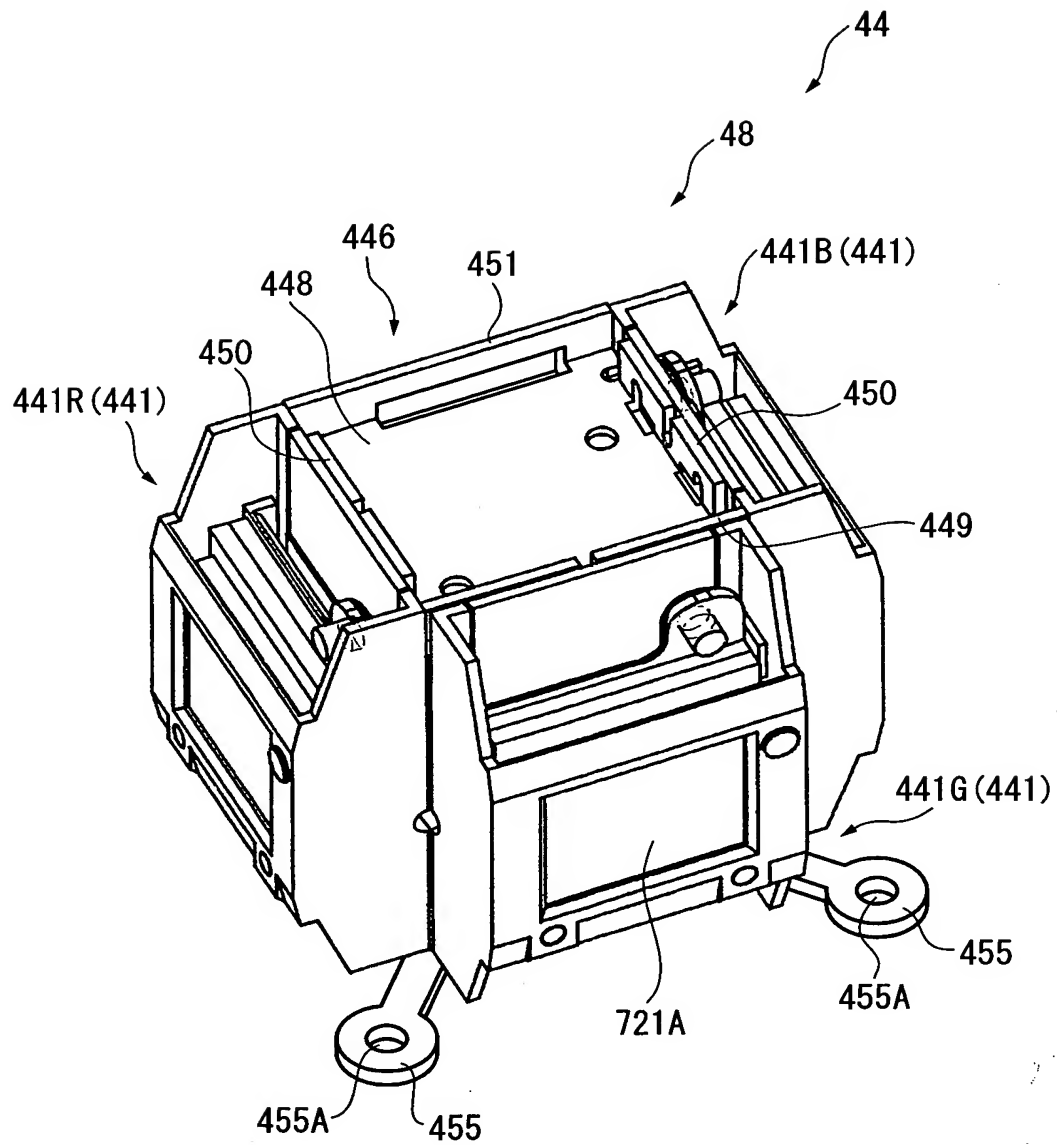
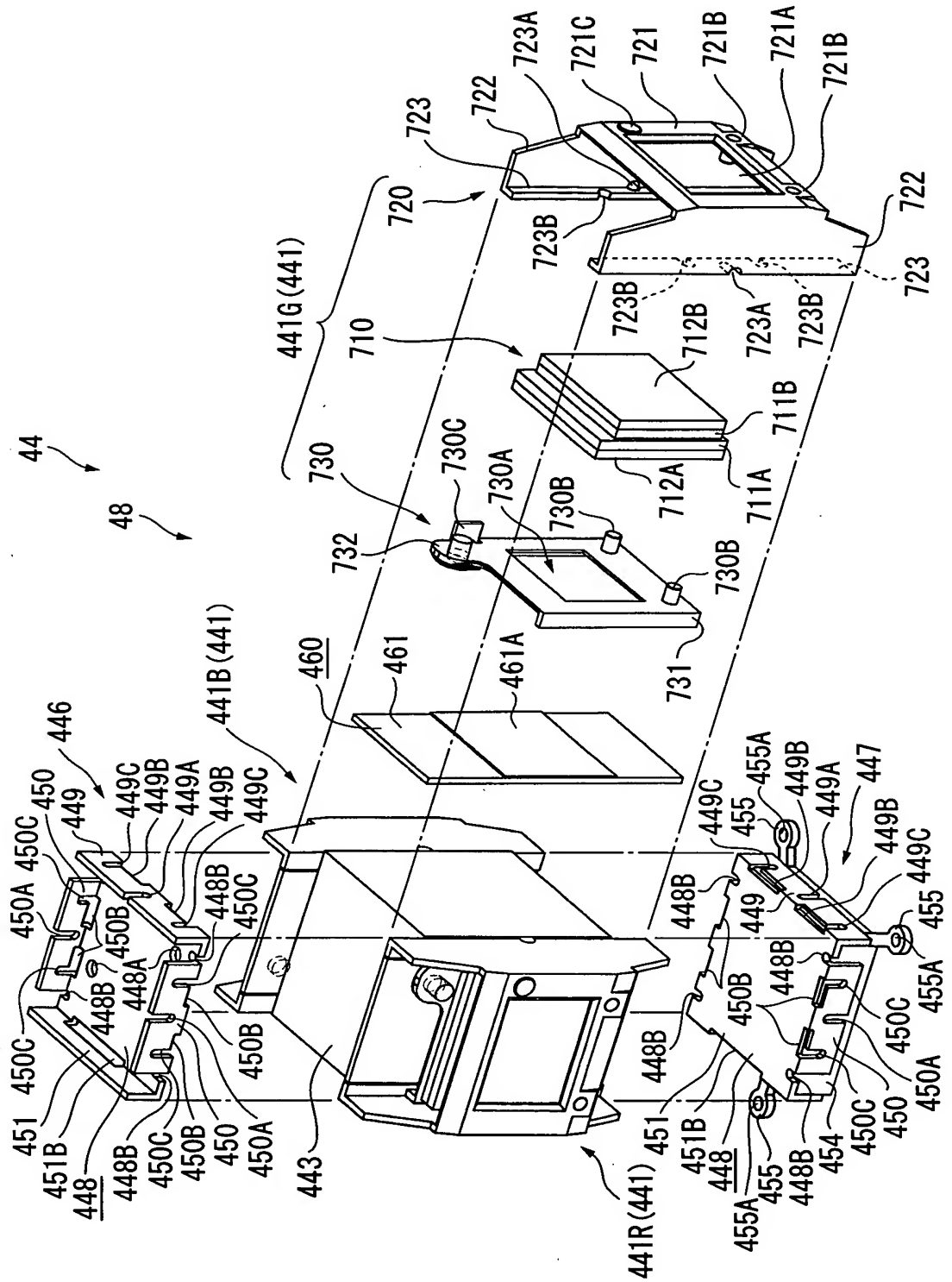
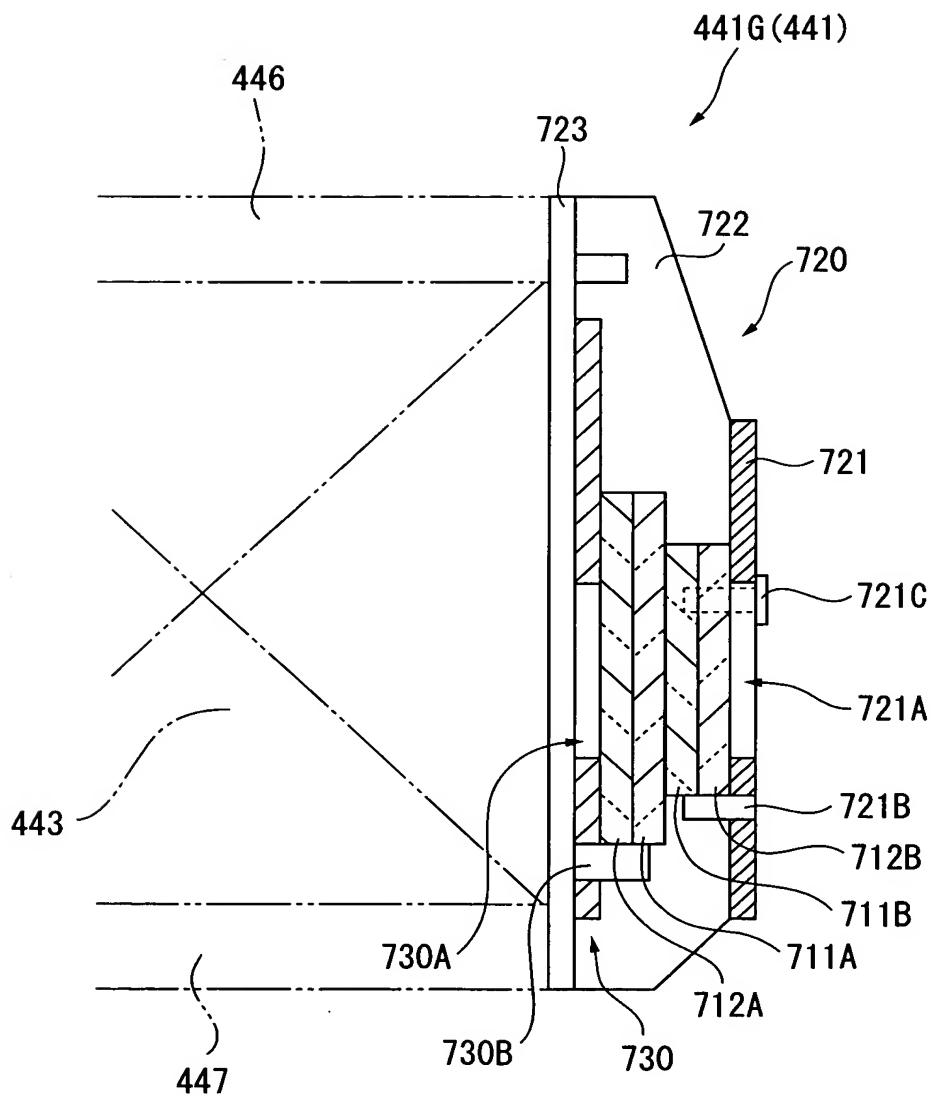


FIG. 4



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FIG. 5



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FIG. 6A

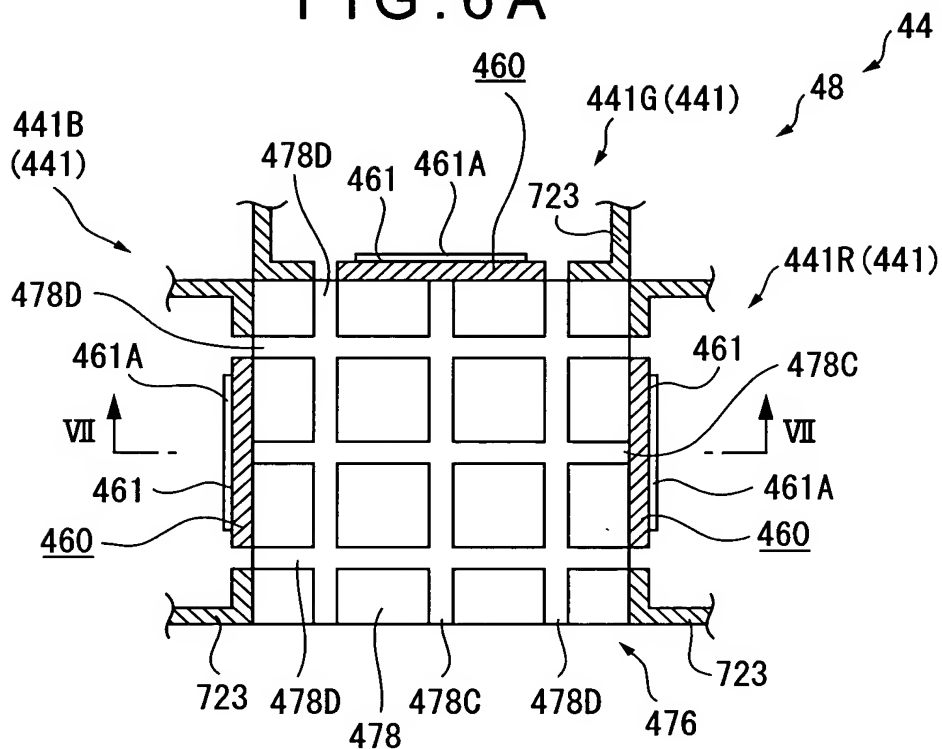
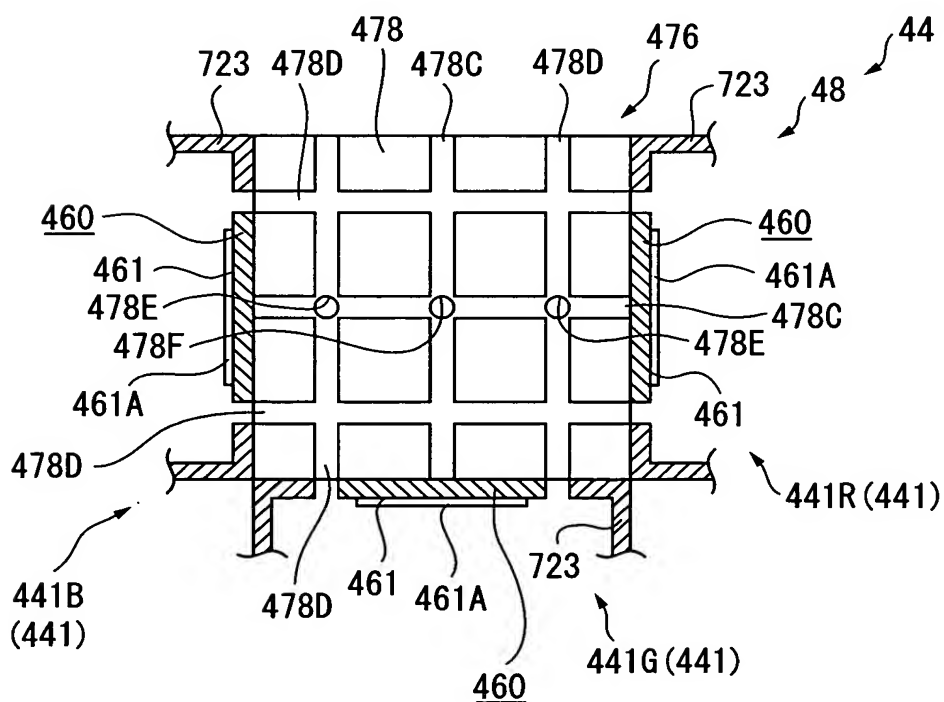
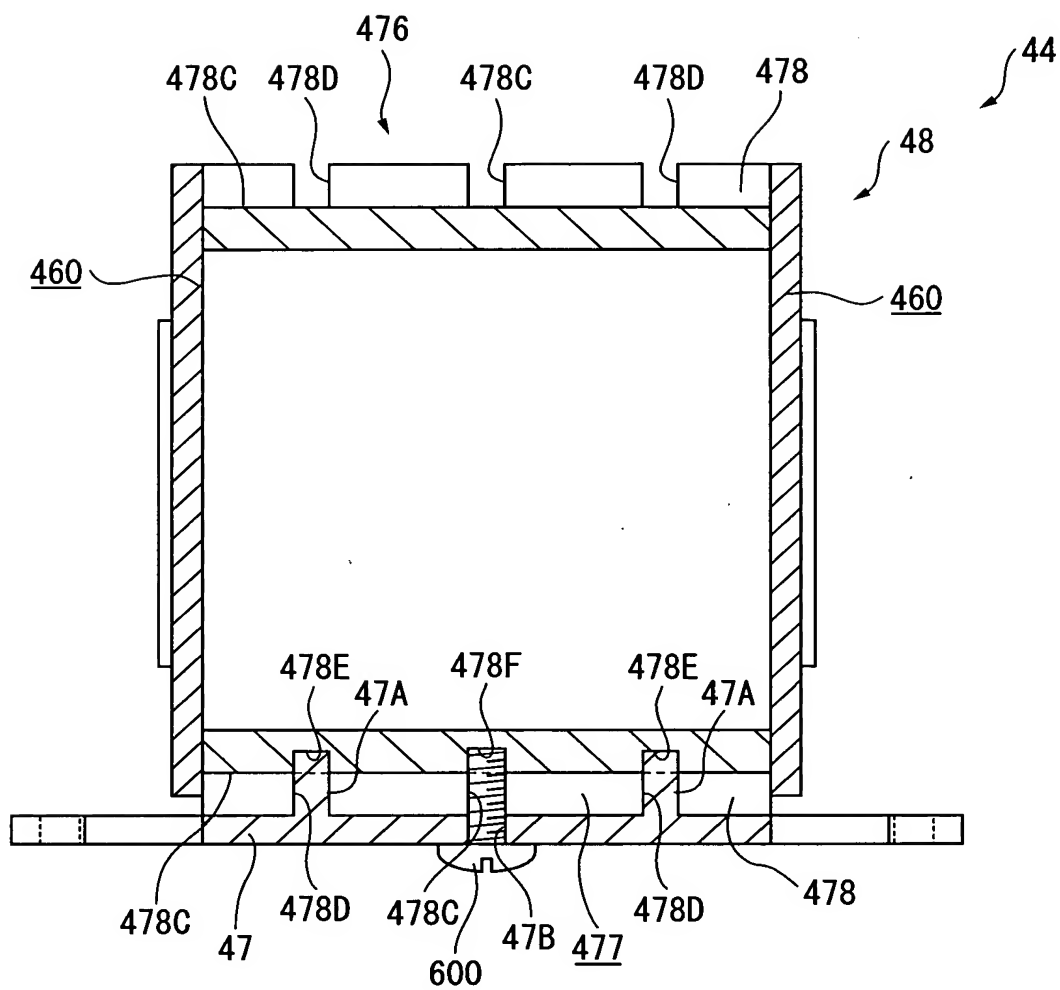


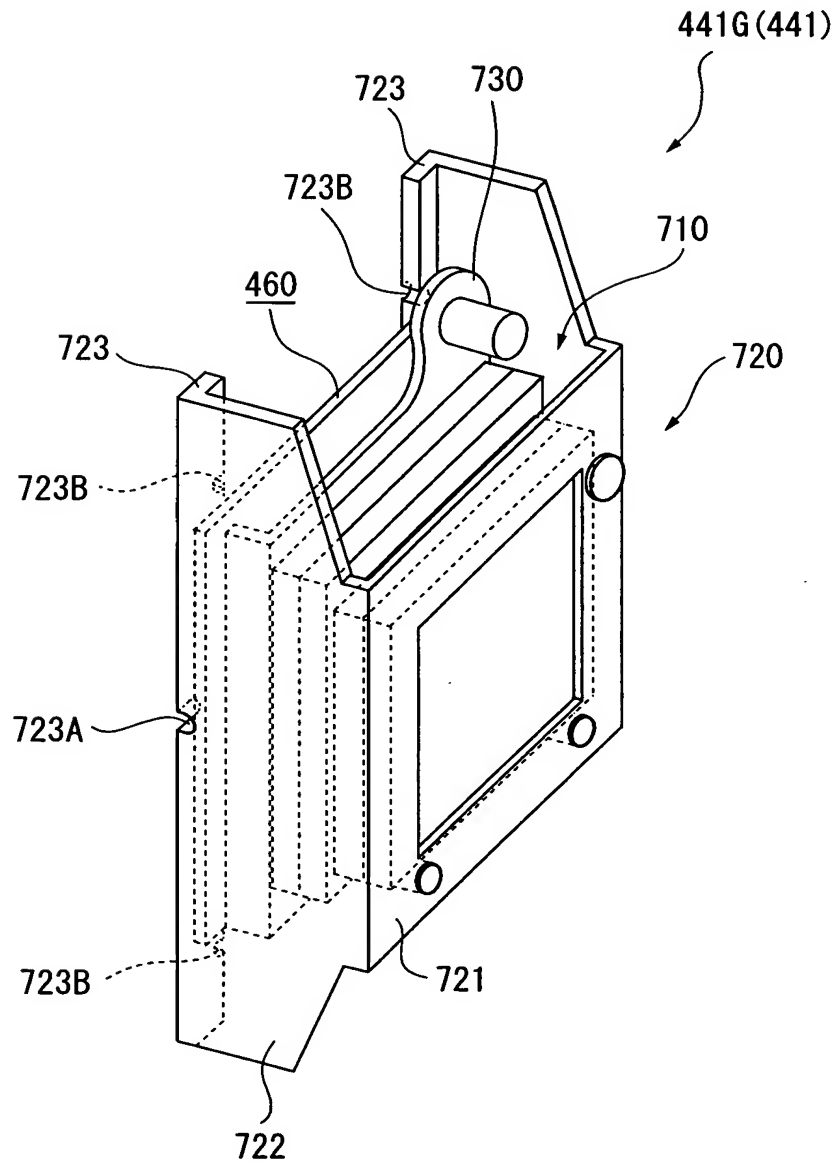
FIG. 6B



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FIG. 7



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FIG. 8



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FIG. 9

